

IN THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

1. Previously Canceled
2. Previously Canceled
3. Previously Canceled
4. Previously Canceled
5. Previously Canceled
6. Previously Canceled
7. (Previously amended) A pentarphin molecule consisting of a structure of cyclo(Val-Lys-Gly-Phe-Tyr) and further being called as cyclopentarphin.
8. (Amended) A drug composition for increasing activity and/or concentration of macrophages and/or T-lymphocytes in a mammal body, said drug composition comprising pentarphin molecule ~~sequence Val-Lys-Gly-Phe-Tyr~~ in a linear or in a cyclic form and said pentarphin molecule having amino acid sequence according to SEQ ID NO:4.
9. (Previously amended) The drug composition according to claim 8, wherein the composition additionally contains at least one conventional antibiotic.
10. (Previously amended) The drug composition according to claim 9, wherein the

conventional antibiotic is streptomycin.

11. (Amended) A method to increase activity and/or concentration of macrophages and/or T-lymphocytes in a mammal body, said method comprising a step of: administering to a patient a therapeutically active amount of a drug composition comprising of pentarphin molecule sequence ~~Val-Ly-Gly-Phe-Tyr~~ in a linear or a cyclic form and said pentarphin having an aminoacid sequence according to SEQ ID NO:4.
12. (Previously amended) The method according to claim 11, wherein the drug composition additionally contains at least one conventional antibiotic.
13. (Previously amended) The method according to claim 12, wherein the conventional antibiotic is streptomycin.
14. (Previously amended) The method according to claim 11, wherein total pentarphin concentration in the mammal body does not exceed 10 mg/kg of body weight.
15. (Previously amended) The method according to claim 11, wherein the drug composition is administered intramuscularly.
16. (Previously amended) The method according to claim 11, wherein the drug composition is administered per os.
17. (Previously amended) The method according to claim 11, wherein the drug composition is administered in nasal.
18. (Previously amended) The method according to claim 11, wherein the drug composition is administered by inhalation.

19. (Amended) A cell cultivation medium for mammal cell cultivation, said cultivation further containing macrophages, said cultivation medium further comprising pentarphin molecules having amino acid sequence according to SEQ ID NO:4s and further having a linear or cyclic structure at concentrations less than 10mg/l.
20. (New) The cell cultivation medium according to claim 19, wherein the medium additionally contains antibiotics.